

## CALL FOR PAPERS

# Vibrations: Modeling, Analysis, and Control

## 2019 ASME Dynamic Systems and Control Conference (DSCC)

October 9 – 11, 2019, Park City, Utah, <https://www.asme.org/events/dsc>

The *Technical Committee on Vibrations* of the ASME Dynamic Systems and Control Division is organizing invited technical sessions at the upcoming 2019 ASME Dynamic Systems and Control Conference.

**Two papers** from the “DSCC2019 Vibration Invited Sessions” will be selected for **2019 Best Vibrations Paper Award**. **Student travel support** will be available from the conference for accepted papers whose first authors are students.

Topics include but are not limited to:

- **Structural Vibration Modeling and Control:** Active, passive and hybrid control of structural linear/nonlinear vibration and stability, vibration damping and isolation/suspension, flow-induced vibration and noise control;
  - **Sensing, Monitoring and Energy Harvesting of Vibration Systems:** Vibration- and wave-based damage detection and health monitoring, sensor fusion in dynamic systems, vibration of smart materials for sensing/control and energy harvesting, fault identification, preventive and self-healing control;
  - **Vibration and Control of Micro/Nano Systems:** Linear/nonlinear vibration analysis and control synthesis in emerging areas at micro and nano scale;
  - **Industrial Vibration Modeling and Control and Monitoring Systems:** Industrial applications of vibration control and monitoring, including automobiles, information storage, mobile mechatronic systems, aerospace systems, robotics, and manufacturing processes.
- Please **send an abstract** (include title of the work, abstract, and authors’ names and affiliations) via email with subject “**DSCC19 Vibration Invited Sessions,**” by **March 25, 2019** to **vibration.dscd.asme@gmail.com**.
  - Authors will get notified for inclusion in TCV invited sessions **by March 29, 2019**.
  - Authors **will be responsible for submitting full papers** to designated tracks by logging into conference main website and by selecting the “invited sessions” option (submission deadline: **April 01, 2019**).
  - Notification of acceptance/rejection after peer review by **May 27, 2019**.
    - Please see conference webpage (on top) for the complete publication schedule.

### Invited Session Organizers

Xu Chen, TCV Chair, University of Connecticut

Jiong Tang, University of Connecticut

Verica Gajic, TCV Vice Chair, Villanova University

Weidong Zhu, University of Maryland, Baltimore County

Minghui Zheng, TCV Secretary, University at Buffalo

Lei Zuo, Virginia Tech.

Oumar Barry, TCV Publicity Chair, Virginia Tech.

Mark Jankauski, Montana State University

Nima Mahmoodi, University of Alabama

Nader Jalili, University of Alabama

Saeid Bashash, San Jose State University

Murat Inalpolat, UMass Lowell

Dumitru Caruntu, University of Texas-Rio Grande Valley

Wei-Che Tai, Michigan State University